Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-1: "M" Electric Furnace, Channel and Forehearth

S-19: "O" Electric Furnace, Channel and Forehearth

Applicable Limits and Compliance Monitoring Requirements (Major Facility Review Permit (01/30/07) Table VII-A)

dates were within opacity limits. Based on this information we believe that furnace VE limit was not exceeded. furnace VE was conducted on these two dates. No furnace upsets were recorded for those days; VE checks performed before and after these A notation was made on the VE daily check sheets for December 31, 2011 and January 1, 2012 that O line was down. We cannot verify that

······································
Opacity
BAAQMD Permit Condition 16834, Part 7
Ringelmann 1.0 For less than 3 minutes in an hour
BAAQMD Permit Condition 16834, Part 7
Periodic (Daily)
Visual Observation and Recordkeeping
Yes (see below)
Limit: No Monitoring: Yes

dates were within opacity limits. Based on this information we believe that furnace VE limit was not exceeded furnace VE was conducted on these two dates. No furnace upsets were recorded for those days; VE checks performed before and after these A notation was made on the VE daily check sheets for December 31, 2011 and January 1, 2012 that O line was down. We cannot verify that

Operation 1683	Furnace Cor	Configuration P	Open BA
16834, Part 3	Condition	Permit	BAAQMD
both furnaces	480 hrs/yr for	Operation <	Hours of
16834, Part 4	Condition	Permit	BAAQMD
	renoute (Daily)	Daviadia (Dailu)	
	Succionsecond	5	
	Tet.	S	
	Z	2	

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-1: "M" Electric Furnace, Channel and Forehearth

S-19: "O" Electric Furnace, Channel and Forehearth

SO ₂	FP	FP	Glass Production	Type of Limit
BAAQMD Regulation 9-1- 301	BAAQMD Regulation 6- 311	BAAQMD Regulation 6- 310	BAAQMD Permit Condition 16834, Part 5	Citation of Limit
Ground Level Concentration of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	4.10P ^{0.67} lb/hr, where P is process weight, ton/hr	0.15 grains per dscf of exhaust gas volume	6 tons/hour 144 tons/day	Limit
None	BAAQMD Permit Condition 16834, Part 8	BAAQMD Permit Condition 16834, Part 8	BAAQMD Permit Condition 16834, Part 6	Monitoring Requirement Citation
N/A	Periodic (Once per Permit Term)	Periodic (Once per Permit Term)	Periodic (Daily)	Monitoring Frequency
None	Source Test	Source Test	Recordkeeping	Monitoring Type
N/A	Yes	Yes	Yes	Monitoring Performed (Yes/No)
No	No	No	N _o	Deviations (Yes/No)

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-1: "M" Electric Furnace, Channel and Forehearth

S-19: "O" Electric Furnace, Channel and Forehearth

avg.	BAAQMD Concentration Lead Regulation 11- 1-302 Ground Level Concentration 1.0 ugs/cubic None	BAAQMD BAAQMD Permit Regulation 11- 15 lb/day Condition 1-301 16834, Part 10	BAAQMD BO2 Regulation 9-1- 300 ppm (dry) Condition 16834, Part 9	Type of Limit Citation of Limit Requirement Citation
BAAQMD Periodic (Once Permit per Permit Condition Term)	None N/A	BAAQMD Periodic (Once Condition 16834, Part 10 Periodic (Once per Permit Term)	BAAQMD Periodic (Once Permit Condition 16834, Part 9 Periodic (Once	Requirement Frequency
Once nit Source Test	None	Once nit Source Test	Once Source Test	ing Monitoring icy Type
Yes	N/A	Yes	Yes	Monitoring Performed (Yes/No)
N o	No	No	N _o	Deviations (Yes/No)

Semi-Annual Monitoring Report

November 1, 2011 – April 30, 2012

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-1: "M" Electric Furnace, Channel and Forehearth

S-19: "O" Electric Furnace, Channel and Forehearth

Glass Pull Rate 40	Cold Top Electric Furnace Temperature	Batch Wetting Process: Water Flow Rate Limit	Type of Limit
40 CFR 63.1382 (b)(5)	40 CFR 63.1382 (b)(3)	BAAQMD Permit Condition 16834, Part 11	Citation of Limit
Average glass pull rate for any 4-hour block period S-1 ≤ 12,421.2 lbs S-19 ≤ 13,010.4 lbs	Temperature measured at a location 46 to 61 centimeters (18 to 24 inches) above the molten glass surface ≤ 120 °C (250 °F)	Water flow rate ≥ 0.3 GPM	Li mit
40 CFR 63.1383 (f)(1)	40 CFR 63.1383 (d)	40 CFR 63.1383 (e)(1) BAAQMD Permit Condition 16834, Part 11	Monitoring Requirement Citation
Periodic (Hourly: rolling 4-hr block)	Periodic (Daily: Once per Shift)	Periodic (Daily)	Monitoring Frequency
Recordkeeping: Glass Pull Rate	Recordkeeping: Temperature	Recordkeeping: Water Flow Rate	Monitoring Type
Yes	Yes	Yes	Monitoring Performed (Yes/No)
No	No	No	Deviations (Yes/No)

Semi-Annual Monitoring Report

November 1, 2011 – April 30, 2012

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-1: "M" Electric Furnace, Channel and Forehearth

S-19: "O" Electric Furnace, Channel and Forehearth

er 19, 2008.	istrict on Decemb	3. Submitted to D	ovember 7, 2008	Source tests conducted from October 30, through November 7, 2008. Submitted to District on December 19, 2008	ucted from Octol	ource tests cond	S
-		- - - - -	`	t NNN).	o MACT (Subpar	products subject to MACT (Subpart NNN).	Т
not produce	and "O" line did r	e did not operate	period. "M" line	For the November 1, 2011 — April 30, 2012 reporting period. "M" line did not operate and "O" line did not produce	· 1, 2011 – April 3	or the November	Comments: F
Deviations (Yes/No)	Monitoring Performed (Yes/No)	Monitoring Type	Monitoring Frequency	Monitoring Requirement Citation	Limit	Citation of Limit	Type of Limit

November 1, 2011 – April 30, 2012 Semi-Annual Monitoring Report

Owens Corning Insulating Systems, LLC - Santa Clara, CA

				1	1				
	FP	FΡ	Glass Production	Opacity	Opacity	Type of Limit	Applic		
	BAAQMD Regulation 6- 311	BAAQMD Regulation 6- 310	BAAQMD Permit Condition 20565, Part 13	BAAQMD Permit Condition 20565, Part 5	BAAQMD Regulation 6- 301	Citation of Limit	cable Limits and o		
	4.10p ^{0.67} lb/hr, where P is process weight, ton/hr	0.15 grains per dscf of exhaust gas volume	6 tons/hour 144 tons/day	Ringelmann 1.0 For less than 3 minutes in an hour	Ringelmann 1.0 For less than 3 minutes in an hour	Limit	Compliance Moni		
20303, Fait 0	BAAQMD Permit Condition	BAAQMD Permit Condition 20565, Part 6	BAAQMD Permit Condition 20565, Part 14	BAAQMD Permit Condition 20565, Part 5	BAAQMD Permit Condition 20565, Part 5	Monitoring Requirement Citation	toring Requireme	S-20: "O'	S-2: "M"
	Periodic (Once per Permit Term)	Periodic (Once per Permit Term)	Periodic (Daily)	Periodic (Daily)	Periodic (Daily)	Monitoring Frequency	ents (Major Facili	S-20: "O" Forming	S-2: "M" Forming
	Source Test	Source Test	Recordkeeping	Visual Observation and Recordkeeping	Visual Observation and Recordkeeping	Monitoring Type	Applicable Limits and Compliance Monitoring Requirements (Major Facility Review Permit (01/30/07) Table VII-B)		
	Yes	Yes	Yes	Yes	Yes	Monitoring Performed (Yes/No)	(01/30/07) Table		
	No	No	No	No	N _o	Deviations (Yes/No)	VII-B)		

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-2: "M" Forming

S-20: "O" Forming

No	N/A	Recordkeeping (Free- Formaldehyde Content of Resins Received)	Periodic (Each Occurrence)	40 CFR 63.1383 (j)	Free- Formaldehyde content of the resin in the binder S-2 \le 14.47% S-20 \le 14.44%	40 CFR 63.1382 (b)(9)	Formaldehyde
No	N/A	None	N/A	None	300 ppm (dry)	BAAQMD Regulation 9-1- 302	SO ₂
Z	N/A	None	N/A	None	Ground Level Concentration of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	BAAQMD Regulation 9-1- 301	SO ₂
Deviations (Yes/No)	Monitoring Performed (Yes/No)	Monitoring Type	Monitoring Frequency	Monitoring Requirement Citation	Limit	Citation of Limit	Type of Limit

Semi-Annual Monitoring Report

November 1, 2011 – April 30, 2012

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-2: "M" Forming

S-20: "O" Forming

Applicable Limits and Compliance Monitoring Requirements (Major Facility Review Permit (01/30/07) Table VII-B)

Formaldehyde	Formaldehyde	Type of Limit
40 CFR 63.1382 (a)(2)(i)	40 CFR 63.1382 (b)(10)	Citation of Limit
1.2 lb/ton of glass pulled per Rotary Spin Manufacturing Line	Binder formulation for "M" & "O" Lines 2.07 pounds of phenol/ formaldehyde resin per pound of urea in the premix	Limit
BAAQMD Permit Condition 20565, Part 9	40 CFR 63.1383 (k)	Monitoring Requirement Citation
Periodic (Once per Permit Term)	Periodic (Daily)	Monitoring Frequency
Source Test	Recordkeeping (Formulation of Binder Used Per Batch)	Monitoring Type
Yes	N/A	Monitoring Performed (Yes/No)
No	No	Deviations (Yes/No)

Comments: For the November 1, 2011 – April 30, 2012 reporting period, "M" line did not operate and "O" line did not produce products subject to MACT (Subpart NNN).

conducted the week of April 23, 2012; waiting for test results. Retested in February 2010; results in compliance. Submitted results to District in March 25, 2010. Testing was O Line source tests conducted in December 2009 to establish emissions baseline; forming particulate above limits.

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-3: "M" Curing Oven

FP	FP	Glass Production	Opacity	Opacity	Type of Limit	Appli	
BAAQMD Regulation 6- 311	BAAQMD Regulation 6- 310	BAAQMD Permit Condition 20565, Part 13	BAAQMD Permit Condition 20565, Part 5	BAAQMD Regulation 6- 301	Citation of Limit	cable Limits and (
4.10P ^{0.67} lb/hr, where P is process weight, ton/hr	0.15 grains per dscf of exhaust gas volume	6 tons/hour 144 tons/day	Ringelmann 1.0 For less than 3 minutes in an hour	Ringelmann 1.0 For less than 3 minutes in an hour	Limit	Compliance Moni	
BAAQMD Permit Condition 20565, Part 6	BAAQMD Permit Condition 20565, Part 6	BAAQMD Permit Condition 20565, Part 14	BAAQMD Permit Condition 20565, Part 5	BAAQMD Permit Condition 20565, Part 5	Monitoring Requirement Citation	S-21: "O" C	
Periodic (Once per Permit Term)	Periodic (Once per Permit Term)	Periodic (Daily)	Periodic (Daily)	Periodic (Daily)	Monitoring Frequency	S-21: "O" Curing Oven Requirements (Major Facili	0 000
Source Test	Source Test	Recordkeeping	Visual Observation and Recordkeeping	Visual Observation and Recordkeeping	Monitoring Type	S-21: "O" Curing Oven Applicable Limits and Compliance Monitoring Requirements (Major Facility Review Permit (01/30/07) Table VII-C)	
Yes	Yes	Yes	Yes	Yes	Monitoring Performed (Yes/No)	(01/30/07) Table	
No	No	No	No	No	Deviations (Yes/No)	VII-C)	

Semi-Annual Monitoring Report

November 1, 2011 – April 30, 2012

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-3: "M" Curing Oven

S-21: "O" Curing Oven

Applicable Limits and Compliance Monitoring Requirements (Major Facility Review Permit (01/30/07) Table VII-C)

				20565, Part 4	5" wc to 40" wc	20565, Part 3	
	ď	Vecolusedonis	per Shift)	Condition	102	Condition	-
No	< > >	Dogordooning	Periodic (Once	Permit	range across A-	Permit	D D
				BAAQMD	Pressure drop	BAAQMD	
				20565, Part 4	1" wc to 20" wc	20565, Part 3	
	ď	Secondresping	per Shift)	Condition	101	Condition	-
No	<	Pocordbooning	Periodic (Once	Permit	range across A-	Permit	ם ס
				BAAQMD	Pressure drop	BAAQMD	
				20565, Part 4	5" wc to 40" wc	20565, Part 3	
Monitoring: Yes	ies (see below)	Nacoravaebing	per Shift)	Condition	100	Condition	-
Limit: No	Vac (can halaw)	Bacordbaaning	Periodic (Once	Permit	range across A-	Permit	D D
				BAAQMD	Pressure drop	BAAQMD	
				20565, Part 4	1" wc to 20" wc	20565, Part 3	
Monitoring: Yes	les (see pelow)	Recordseebing	per Shift)	Condition	99	Condition	-
Limit: No	Vos (soo bolow)	Docordeooping	Periodic (Once	Permit	range across A-	Permit	Đ
				BAAQMD	Pressure drop	BAAQMD	
(Yes/No)	(Yes/No)	Туре	Frequency	Citation		Imit	
Deviations	Performed	Silifolii	Suitonia	Requirement	Limit	Citation of	Type of Limit
Doubtions	Monitoring		Monitoring	Monitoring		Citation of	

On the follow dates manual checks were not recorded for the pressure drops for A-99, A-100: January 23 (3rd shift) and February 19 (3rd shift). Based on manual checks before and after $3^{\prime\prime}$ shift on these dates, there is no indication that the pressure drop was not within range.

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-3: "M" Curing Oven

S-21: "O" Curing Oven

No	Yes	Inspection; Incinerator	Periodic (Annual)	40 CFR 63.1383 (g)(2)	Proper Incinerator Maintenance	BAAQMD Permit Condition 20565, Part 5	Incinerator Firebox
No	N/A	Recordkeeping (Firebox Operating Temperature)	Continuous	40 CFR 63.1383 (g)(1)	Average firebox temperature at A-5, A-6 and A-25 for any 3-hour block period ≥ 1340	40 CFR 63.1382 (b)(6)	Incinerator Firebox Temperature
No	N/A	None	N/A	None	300 ppm (dry)	BAAQMD Regulation 9-1- 302	SO ₂
No	N/A	None	N/A	None	Ground Level Concentration of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	BAAQMD Regulation 9-1- 301	SO ₂
Deviations (Yes/No)	Monitoring Performed (Yes/No)	Monitoring Type	Monitoring Frequency	Monitoring Requirement Citation	Limit	Citation of Limit	Type of Limit

Semi-Annual Monitoring Report

November 1, 2011 – April 30, 2012

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-3: "M" Curing Oven

S-21: "O" Curing Oven

Applicable Limits and Compliance Monitoring Requirements (Major Facility Review Permit (01/30/07) Table VII-C)

Comments: For the November 1, 2011 – April 30, 2012 reporting period, "M" line did not operate. During this same period "O" line did not produce products subject to MACT (Subpart NNN); converted to starch-based binder.

O Line source tests conducted October 30 through November 7, 2008. Submitted results to District on December 19, 2008. Testing was conducted the week of April 23, 2012; waiting for test results.

Annual inspection and maintenance was performed on the O Line incinerator on February 7, 2012.

Owens Corning Insulating Systems, LLC - Santa Clara, CA

FP	FΡ	Glass Production	Opacity	Opacity	Type of Limit	Applic		
BAAQMD Regulation 6- 311	BAAQMD Regulation 6- 310	BAAQMD Permit Condition 20566, Part 7	BAAQMD Permit Condition 20566, Part 4	BAAQMD Regulation 6- 301	Citation of Limit	cable Limits and (
4.10P ^{0.67} lb/hr, where P is process weight, ton/hr	0.15 grains per dscf of exhaust gas volume	6 tons/hour 144 tons/day	Ringelmann 1.0 For less than 3 minutes in an hour	Ringelmann 1.0 For less than 3 minutes in an hour	Limit	Compliance Moni		
BAAQMD Permit Condition 20566, Part 5	BAAQMD Permit Condition 20566, Part 5	BAAQMD Permit Condition 20566, Part 8	BAAQMD Permit Condition 20566, Parts 4	BAAQMD Permit Condition 20566, Parts 4	Monitoring Requirement Citation	toring Requireme	S-22: "O	S-4: "M
Periodic (Once per Permit Term)	Periodic (Once per Permit Term)	Periodic (Daily)	Periodic (Daily)	Periodic (Daily)	Monitoring Frequency	ents (Major Facili	S-22: "O" Cooling	S-4: "M" Cooling
Source Test	Source Test	Recordkeeping	Visual Observation and Recordkeeping	Visual Observation and Recordkeeping	Monitoring Type	Applicable Limits and Compliance Monitoring Requirements (Major Facility Review Permit (01/30/07) Table VII-D)		
Yes	Yes	N/A	Yes	Yes	Monitoring Performed (Yes/No)	(01/30/07) Table		
No	No	No	No	No	Deviations (Yes/No)	VII-D)		

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-4: "M" Cooling

S-22: "O" Cooling

No	N/A	None	N/A	None	of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	BAAQMD Regulation 9-1- 301	SO ₂
					Ground Level Concentration		
No	Yes	Recordkeeping	Periodic (Daily)	BAAQMD Permit Condition 20566, Part 3	Water flow rate across A-26 50 gpm to 250 gpm	BAAQMD Permit Condition 20566, Part 2	FP
No	Yes	Recordkeeping	Periodic (Daily)	BAAQMD Permit Condition 20566, Part 3	Pressure drop range across A- 26 1" wc to 10" wc	BAAQMD Permit Condition 20566, Part 2	fР
No	Yes	Recordkeeping	Periodic (Daily)	BAAQMD Permit Condition 20566, Part 3	Pressure drop range across A-7	BAAQMD Permit Condition 20566, Part 2	FÞ
Deviations (Yes/No)	Monitoring Performed (Yes/No)	Monitoring Type	Monitoring Frequency	Monitoring Requirement Citation	Limit	Citation of Limit	Type of Limit

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-4: "M" Cooling

S-22: "O" Cooling

Applicable Limits and Compliance Monitoring Requirements (Major Facility Review Permit (01/30/07) Table VII-D)

-							
σ	Yes	Source Test	Periodic (Once per Permit Term)	BAAQMD Permit Condition 20566, Part 6	1.2 lb/ton of glass pulled per Rotary Spin Manufacturing Line	40 CFR 63.1382 (a)(2)(i)	Formaldehyde
	N/A	Recordkeeping (Finished Product LOI and Density)	Periodic (Daily)	40 CFR 63.1383 (I)	1.2 lb/ton of glass pulled per Rotary Spin Manufacturing Line	40 CFR 63.1382 (a)(2)(i)	Formaldehyde
Δ	N/A	None	A/N	None	300 ppm (dry)	BAAQMD Regulation 9-1- 302	SO ₂
ring ned No)	Monitoring Performed (Yes/No)	Monitoring Type	Monitoring Frequency	Monitoring Requirement Citation	Limit	Citation of Limit	Type of Limit

Comments: For the November 1, 2011 – April 30, 2012 reporting period, "M" line did not operate. During this same period "O" line did not produce products subject to MACT (Subpart NNN); converted to starch-based binder.

O Line source tests conducted October 30 through November 7, 2008. Submitted results to District on December 19, 2008. Testing was conducted the week of April 23, 2012; waiting for test results.

Owens Corning Insulating Systems, LLC - Santa Clara, CA

Type of Limit Citation of Limit Limit Limit Monitoring Requirement Requirement Citation Monitoring Frequency Monitoring Type Monitoring Performed (Yes/No) Monitoring Performed (Yes/No) Monitoring Performed (Yes/No) Monitoring Performed Permit Programs (Yes/No) Monitoring Performed Permit Programs (Yes/No) Monitoring Performed Permit Programs (Yes/No) Monitoring Performed Permit Permit Periodic Persist (Monthly) Monitoring Permit Programs (Yes/No) Monitoring Permit Lag Mone Permit Permit Lag Mone Permit Permit Lag Mone Permit Permit Lag Mone Permit Permit Lag None Permit Condition Periodic Permit Lag None Lag None Lag	Applic	able Limits and C	compliance Moni	S-26: Sandblasting Room Applicable Limits and Compliance Monitoring Requirements (Major Facility Revi	asting Room nts (Major Facili	ty Review Permit	iew Permit (01/30/07) Table VII-E)	VII-E)
BAAQMD Ringelmann 1.0 Regulation 6- 301 Ringelmann 1.0 Permit Regulation 6- 301 Ringelmann 1.0 Permit Condition Permit Condition I5250, Part 6 Regulation 6- BAAQMD Ringelmann 1.0 Permit Condition I5250, Part 6 Regulation 6- Regulation 6- BAAQMD Ringelmann 1.0 Permit Condition Regulation 6- Regulation 6- BAAQMD Ringelmann 1.0 Permit Condition Regulation 6- BAAQMD Regulation 6- Weight, ton/hr Regulation 6- Weight, ton/hr Regulation 6- Weight, ton/hr Regulation Regulation 6- Weight, ton/hr Regulation Regulation 6- Weight, ton/hr Regulation Recordkeeping N/A None N/A None N/A Recordkeeping Regulation Regulation Recordkeeping Regulation Regulation Recordkeeping Resordkeeping Regulation Regulation Recordkeeping Resordkeeping Res	Type of Limit	Citation of Limit	Limit	Monitoring Requirement Citation	Monitoring Frequency	Monitoring Type	Monitoring Performed (Yes/No)	Deviations (Yes/No)
BAAQMID Permit Permit Condition 15250, Part 6 BAAQMID Regulation 6- Regulation 6- Regulation 6- Regulation 6- Regulation 6- Permit Regulation 6- Permit Condition 149 15250, Part 6 BAAQMID Pressure drop 149 Condition 149 Condition 15250, Part 6 BAAQMID Permit Condition 149 Permit Condition 15250, Part 6 Recordkeeping Permit Periodic (Monthly) Recordkeeping Permit Periodic Recordkeeping	Opacity	BAAQMD Regulation 6- 301	Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 15250, Part 6	Periodic (Monthly)	Visual Observation and Recordkeeping	Yes	No
BAAQMD Regulation 6- Regulation 6- 310 BAAQMD A.10P ^{0.57} lb/hr, Regulation 6- 311 Regulation 6- Say volume BAAQMD A.10P ^{0.57} lb/hr, Regulation 6- Where P is process weight, ton/hr Regulation 6- Where P is process weight, ton/hr Regulation 6- Where P is process weight, ton/hr None N/A None	Opacity	BAAQMD Permit Condition 15250, Part 6	Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 15250, Part 6	Periodic (Monthly)	Visual Observation and Recordkeeping	Yes	No
BAAQMD 4.10P ^{0.67} lb/hr, where P is process 311 None N/A None N/A BAAQMD Pressure drop Permit Condition 149 BAAQMD Permit Periodic (Monthly) Perodic (Monthly) Perodic (Monthly) Perodic (Monthly)	FP	BAAQMD Regulation 6- 310	0.15 grains per dscf of exhaust gas volume	None	N/A	None	N/A	No
BAAQMD Pressure drop BAAQMD Permit range across A- Permit Periodic Condition 149 Condition (Monthly) 15250, Part 7 0" wc to 10" wc 15250, Part 6	FP	BAAQMD Regulation 6- 311	4.10P ^{0.67} lb/hr, where P is process weight, ton/hr	None	N/A	None	N/A	No
	FP	BAAQMD Permit Condition 15250, Part 7	Pressure drop range across A- 149 0" wc to 10" wc	BAAQMD Permit Condition 15250, Part 6	Periodic (Monthly)	Recordkeeping	Yes	No

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-46 (Removed) / S-171 (New): Asphalt Tank #1

		1	, ,	
H ₂ S	FP	Opacity	Type of Limit	Applic
BAAQMD Regulation 9-2- 301	BAAQMD Regulation 6- 311	BAAQMD Regulation 6- 301	Citation of Limit	cable Limits and (
Ground Level Concentration during any 24 hour period of less than 0.06 ppm averaged over three consecutive minutes or less than 0.03 ppm averaged over any 60 consecutive minutes.	4.10P ^{0.67} lb/hr, where P is process weight, ton/hr	Ringelmann 1.0 For less than 3 minutes in an hour	Limit	Compliance Moni
None	None	BAAQMD Permit Condition 12672, Part 3	Monitoring Requirement Citation	Applicable Limits and Compliance Monitoring Requirements (Major Facility Review Permit (01/30/07) Table VII-F)
N/A	N/A	Periodic (Monthly)	Monitoring Frequency	ents (Major Facili
None	None	Visual Observation	Monitoring Type	ty Review Permit
N/A	N/A	Yes	Monitoring Performed (Yes/No)	(01/30/07) Table
No	No	N _o	Deviations (Yes/No)	y VII-F)

Owens Corning Insulating Systems, LLC - Santa Clara, CA

Applic	able Limits and (S-56: Batch Materials Silo & Unloading System Applicable Limits and Compliance Monitoring Requirements (Major Facility Review Permit (01/30/07) Table VII-G)	S-56: Batch Materials Silo & Unloading Syster Monitoring Requirements (Major Facility Rev	ilo & Unloading ! nts (Major Facilit	system y Review Permit	(01/30/07) Table	VII-G)
Type of Limit	Citation of Limit	Limit	Monitoring Requirement Citation	Monitoring Frequency	Monitoring Type	Monitoring Performed (Yes/No)	Deviations (Yes/No)
Opacity	BAAQMD Regulation 6- 301	Ringelmann 1.0 For less than 3 minutes in an hour	None	Periodic (Weekly)	Visual Observation	Yes	No
FP	BAAQMD Regulation 6- 310	0.15 grains per dscf of exhaust gas volume	None	N/A	None	N/A	No
Ęp	BAAQMD Regulation 6- 311	4.10P ^{0.67} lb/hr, where P is process weight, ton/hr	None	N/A	None	N/A	No

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-57: Batch Mixing

Semi-Annual Monitoring Report

November 1, 2011 – April 30, 2012

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-61: "M" Packing Dust Collection System

S-62: "O" Packing Dust Collection System

Requirement Citation	Limit	Requirement Citation	Frequency	Туре	Performed (Yes/No)	(Yes/No)
BAAQMD Ringelmann 1.0 Periodic Opacity Regulation 6- For less than 3 None (Weekly)	Ringelmann 1.0 For less than 3 minutes in an hour	None	Periodic (Weekly)	Visual Observation	Yes	No
BAAQMD 0.15 grains per FP Regulation 6- dscf of exhaust None N/A 310 gas volume	0.15 grains per dscf of exhaust gas volume	None	N/A	None	N/A	No
Comments: For the November 1, 2011 – April 30, 2012 reporting period, "M" line did not operate	1, 2011 – April	30, 2012 reporting	g period, "M" lin	e did not operate	•	

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-65: Fire System Diesel Pump

Applic	cable Limits and (S-1 S-1 Compliance Mon	S-166: Cullet Water Standby Generator S-167: Cooling Water Standby Generator fonitoring Requirements (Major Facility Re	6: Cullet Water Standby Genera 7: Cooling Water Standby Gener 9	S-166: Cullet Water Standby Generator S-167: Cooling Water Standby Generator Applicable Limits and Compliance Monitoring Requirements (Major Facility Review Permit (01/30/07) Table VII-J)	(01/30/07) Table	(FII)
Type of Limit	Citation of Limit	Limit	Monitoring Requirement Citation	Monitoring Frequency	Monitoring Type	Monitoring Performed (Yes/No)	Deviations (Yes/No)
Opacity	BAAQMD Regulation 6- 303	Ringelmann 2.0 For less than 3 minutes in an hour	None	N/A	Visual Observation	N/A	No
FP	BAAQMD Regulation 6- 310	0.15 grains per dscf of exhaust gas volume	None	N/A	None	N/A	No
SO_2	BAAQMD Regulation 9-1- 301	Ground Level Concentration of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	None	N/A	None	N/A	No
SO ₂	BAAQMD Regulation 9-1- 304	Sulfur Content of Fuel < 0.5% by weight	BAAQMD Permit Condition 19142, Part 3	Periodic (Every Occurrence)	Fuel Certification by Vendor	Yes	No

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-65: Fire System Diesel Pump

S-166: Cullet Water Standby Generator

S-167: Cooling Water Standby Generator

	444	did not operate.	g period, "M" line	0, 2012 reportin	For the November 1, 2011 — April 30, 2012 reporting period, "M" line did not operate.	or the November	Comments: F
No	N/A	Visual Observation	N/A	None	Ringelmann 2.0 For less than 3 minutes in an hour	BAAQMD Regulation 6- 303	Opacity
No	Yes	Running Time Clock and Recordkeeping	Periodic (Every Occurrence)	BAAQMD Permit Condition 19142, Part 1	Unlimited	BAAQMD Regulation 9-8- 330.1	Hours of Operation: Emergency Use
Deviations (Yes/No)	Monitoring Performed (Yes/No)	Monitoring Type	Monitoring Frequency	Monitoring Requirement Citation	Limit	Citation of Limit	Type of Limit

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-66: EM-3 Standby Diesel Generator

S-67: "O" Line Standby Diesel Generator

SO ₂		FP	Opacity	Type of Limit			
BAAQMD Regulation 9-1- 301		BAAQMD Regulation 6- 310	BAAQMD Regulation 6- 303	Citation of Limit	Applicable Limit		
) a		.	n of t	s and Con		
Concentration of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	Ground Level	0.15 grains per dscf of exhaust gas volume	Ringelmann 2.0 For less than 3 minutes in an hour	Limit	npliance Monii	S-68	Ų,
None		None	None	Monitoring Requirement Citation	toring Requireme	3: "M" Line Stanc	. O Ellic Stalic
	N/A	N/A	N/A	Monitoring Frequency	ents (Major Facilit	S-68: "M" Line Standby Diesel Generator	5-07. O Elife Stallaby Diesel Vellerator
None	<u>-</u> - 	None	Visual Observation	Monitoring Type	Applicable Limits and Compliance Monitoring Requirements (Major Facility Review Permit (01/30/07) Table VII-K)	ator	מנכי
	N/A	N/A	N/A	Monitoring Performed (Yes/No)	(01/30/07) Table		
	No	No	No	Deviations (Yes/No)	VII-K)		

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-66: EM-3 Standby Diesel Generator

S-67: "O" Line Standby Diesel Generator

S-68: "M" Line Standby Diesel Generator

r	r	·	
Comments: F	Hours of Operation – Reliability: Related Activities	Hours of Operation: Emergency Use	Type of Limit
or the November	BAAQMD Regulation 9-8- 330.2	BAAQMD Regulation 9-8- 330.1	Citation of Limit
- 1, 2011 – April 3	100 hours per year	Unlimited	Limit
For the November 1, 2011 – April 30, 2012 reporting period, "M" line did not operate	BAAQMD Permit Condition 19142, Part 1	BAAQMD Permit Condition 19142, Part 1	Monitoring Requirement Citation
g period, "M" line	Periodic (Each Occurrence)	Periodic (Each Occurrence)	Monitoring Frequency
e did not operate.	Running Time Clock and Recordkeeping	Running Time Clock and Recordkeeping	Monitoring Type
	Yes	Yes	Monitoring Performed (Yes/No)
	No	No	Deviations (Yes/No)

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-69: "M" Line Asphalt Applicator

S-70: "O" Line Asphalt Applicator

Type of Limit	Citation of Limit	Limit	Monitoring Requirement Citation	Monitoring Frequency	Monitoring Type	Monitoring Performed (Yes/No)	Deviations (Yes/No)
Opacity	BAAQMD Regulation 6- 301	Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition	Periodic (Weekly)	Visual Observation and	Yes	No
FР	BAAQMD Regulation 6- 310	0.15 grains per dscf of exhaust gas volume	None	N/A	None	N/A	No
FP	BAAQMD Regulation 6- 311	4.10P ^{0.67} lb/hr, where P is process weight, ton/hr	None	N/A	None	N/A	No
VOC	BAAQMD Regulation 8-2- 301	15 lb/day and 300 ppm (dry basis) total carbon	BAAQMD Permit Condition 12672, Part 6	Periodic (Once Per Permit Term)	Source Test	Yes	No

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-69: "M" Line Asphalt Applicator

S-70: "O" Line Asphalt Applicator

Applicable Limits and Compliance Monitoring Requirements (Major Facility Review Permit (01/30/07) Table VII-L)

S ² H	Type of Limit
BAAQMD Regulation 9-2- 301	Citation of Limit
Ground Level Concentration during any 24 hour period of less than 0.06 ppm averaged over three consecutive minutes or less than 0.03 ppm averaged over any 60 consecutive minutes.	Limit
None	Monitoring Requirement Citation
N/A	Monitoring Frequency
None	Monitoring Type
N/A	Monitoring Performed (Yes/No)
N _O	Deviations (Yes/No)

Comments: For the November 1, 2011 – April 30, 2012 reporting period, "M" line did not operate.

O Line source tests conducted October 30 through November 7, 2008. Submitted results to District on December 19,

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-86: "M" Batch Transporter Bin & Silo

		For the November 1, 2011 – April 30, 2012 reporting period, "M" line did not operate.	g period, "M" line	30, 2012 reportin ₈	r 1, 2011 – April 3	or the Novembe	Comments: F
N/A		None	V/N	None	4.10P ^{0.67} lb/hr, where P is process weight, ton/hr	BAAQMD Regulation 6- 311	FP
N/A		None	N/A	None	0.015 grains per dscf of exhaust gas volume	BAAQMD Permit Condition 12144, Part 8	FΡ
N/A		None	N/A	None	0.15 grains per dscf of exhaust gas volume	BAAQMD Regulation 6- 310	FP
Yes		Visual Observation and Recordkeeping	Periodic (Weekly)	BAAQMD Permit Condition 12144, Part 7	Ringelmann 0.5 For less than 3 minutes in an hour	BAAQMD Permit Condition 12144, Part 6	Opacity
Yes		Visual Observation	Periodic (Weekly)	None	Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Regulation 6- 301	Opacity
Monitoring Performed (Yes/No)	_ P Z	Monitoring Type	Monitoring Frequency	Monitoring Requirement Citation	Limit	Citation of Limit	Type of Limit

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Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-87: "O" Batch Transporter Bin & Silo

mit (01/30/07) Table VII-NI)

N/A No	••••				weight, ton/hr	311	
,		None	N/A	None	4.10P ^{0.67} lb/hr, where P is process	BAAQMD Regulation 6-	FP
					volume	12144, Part 12	
		2010	4)	0.00	exhaust gas	Condition	
N/^			2 / / Δ	None	per dscf of	Permit	Б <u>Б</u>
	************				0.015 grains	BAAQMD	
					gas volume	310	
N/A No		None	N/A	None	dscf of exhaust	Regulation 6-	TD
	***************************************				0.15 grains per	BAAQMD	
		Recordkeeping	(12144, Part 11	minutes in an hour	12144, Part 10	
Yes No		Observation	(Weekly)	Permit	For less than 3	Permit Condition	Opacity
		Visual		BAAQMD	Ringelmann 0.5	BAAQMD	
		Observation	(Weekly)		minutes in an hour	301	
Yes No	_	Visual	Periodic	None	Ringelmann 1.0	BAAQMD Regulation 6-	Opacity
(Yes/No) (Yes/No)	(Ye	Туре	Frequency	Citation	בו	Limit	Type of Little
Monitoring Deviations	Mor	Monitoring	Monitoring	Monitoring		Citation of	#
/O/) Table VII-IV)	(01/30/	Applicable fillits and compilative would hig requirements (wajor raciity neview remin (01/30/07) Table vii-n)	ilis (iviajoi racii	roille veduilelle	Zulibilance Mon	Capie Lillins allu C	Applic

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8	N/A	None	N/A	None	4.10P ^{0.57} lb/hr, where P is process weight, ton/hr	BAAQMD Regulation 6- 311	Ŧ₽
No	N/A	None	N/A	None	0.15 grains per dscf of exhaust gas volume	BAAQMD Regulation 6- 310	ĘΡ
No	Yes	Visual Observation	Periodic (Weekly)	None	Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Regulation 6- 301	Opacity
Deviations (Yes/No)	Monitoring Performed (Yes/No)	Monitoring Type	Monitoring Frequency	Monitoring Requirement Citation	Limit	Citation of Limit	Type of Limit
VII-O)	(01/30/07) Table	Applicable Limits and Compliance Monitoring Requirements (Major Facility Review Permit (01/30/07) Table VII-O)	ents (Major Facilit	toring Requireme	Compliance Moni	bable Limits and (Applic
			S-90: Bad Batch Bin	S-90: Bad			

Owens Corning Insulating Systems, LLC - Santa Clara, CA

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SO ₂		ĘΡ	Opacity	Type of Limit	Ap
BAAQMD Regulation 9-1- 301		BAAQMD Regulation 6- 310.3	BAAQMD Regulation 6- 301	Citation of Limit	S-92: Nebraska Boiler Firing Natural Gas (Standby Fuel – Diesel) Applicable Limits and Compliance Monitoring Requirements (Major Facility Review Permit (01/30/07) Table VII-P)
3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	Ground Level Concentration of 0.5 ppm for	0.15 grains per dscf of exhaust gas volume at 6% O ₂	Ringelmann 1.0 For less than 3 minutes in an hour	Limit	S-92: Nebraska Compliance Moni
	None	None	None	Monitoring Requirement Citation	S-92: Nebraska Boiler Firing Natural Gas (Standby Fuel mpliance Monitoring Requirements (Major Facility Revi
	N/A	N/A	N/A	Monitoring Frequency	tural Gas (Standk ents (Major Facili
	None	None	Visual Observation	Monitoring Type	y Fuel – Diesel) ty Review Permit
	N/A	N/A	N/A	Monitoring Performed (Yes/No)	(01/30/07) Table
	No	No	No	Deviations (Yes/No)	VII-P)

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-92: Nebraska Boiler Firing Natural Gas (Standby Fuel – Diesel)

	NO _x Re	SO ₂	SO ₂ Re	Type of Limit
BAAQMD Regulation 9-7-	BAAQMD Regulation 9-7- 301.1	BAAQMD Permit Condition 10924, Part 1	BAAQMD Regulation 9-1- 304	Citation of Limit
40 ppmv @ 3%0 ₂ ,	30 ppmv @ 3%O ₂ dry, gaseous fuel	< 0.5% by weight, for liquid fuel	Sulfur Content < 0.5% by weight, for liquid fuel < 300 ppm (dry), for solid fuel	Limit
BAAQMD Permit Condition	None	BAAQMD Permit Condition 10924, Parts 3,	BAAQMD Permit Condition 10924, Parts 3,	Monitoring Requirement Citation
Periodic (Prior to Initial Use of Non-Gaseous	N/A	Periodic (Every Occurrence)	Periodic (Every Occurrence)	Monitoring Frequency
Source Test	None	Fuel Certification by Vendor, Recordkeeping	Fuel Certification by Vendor and Recordkeeping	Monitoring Type
N/A	N/A	Yes	Yes	Monitoring Performed (Yes/No)
No	No	No	No	Deviations (Yes/No)

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-92: Nebraska Boiler Firing Natural Gas (Standby Fuel – Diesel)

CO	СО	NO _×	NO _X	Type of Limit
BAAQMD Regulation 9-7- 302.2	BAAQMD Regulation 9-7- 301.2	BAAQMD Regulation 9-7- 306.1	BAAQMD Regulation 9-7- 305.1	Citation of Limit
400 ppmv @ 3%O ₂ , dry, 3-hr average Non-Gaseous Fuel	400 ppmv @ 3%O ₂ , dry, 3-hr average Gaseous Fuel	150 ppmv @ 3%O ₂ , dry, 3-hr average Equipment Testing - Non Gaseous Fuel	150 ppmv @ 3%O ₂ , dry, 3-hr average Natural Gas Curtailment – Non Gaseous Fuel	Limit
BAAQMD Permit Condition 10924, Part 5	None	None	None	Monitoring Requirement Citation
Periodic (Prior to Initial Use of Non-Gaseous Fuel)	N/A	N/A	N/A	Monitoring Frequency
Source Test	None	None	None	Monitoring Type
N/A	N/A	N/A	N/A	Monitoring Performed (Yes/No)
No	No	No	N _o	Deviations (Yes/No)

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-92: Nebraska Boiler Firing Natural Gas (Standby Fuel – Diesel)

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Heat Input	6	6	Type of Limit
BAAQMD Permit Condition 10924, Part 2	BAAQMD Regulation 9-7- 306.2	BAAQMD Regulation 9-7- 305.2	Citation of Limit
< 12.2 MM Btu/hr	400 ppmv @ 3%O2, dry, 3-hr average Equipment Testing - Non Gaseous Fuel	400 ppmv @ 3%O ₂ , dry, 3-hr average Natural Gas Curtailment: Non Gaseous Fuel	Limit
BAAQMD Permit Condition 10924, Part 4	None	None	Monitoring Requirement Citation
C	N/A	N/A	Monitoring Frequency
Recordkeeping (Fuel Meter)	None	None	Monitoring Type
Yes	N/A	N/A	Monitoring Performed (Yes/No)
No	No	No	Deviations (Yes/No)

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-155: "M" Line Inkjet Printing System

S-156: "O" Line Ink Jet Printing System

	For the November 1, 2011 – April 30, 2012 reporting period, "M" line did not operate.	g period, "M" lin	30, 2012 reportin ₈	r 1, 2011 – April E	or the Novembe	Comments: F
ping	Recordkeeping	Periodic (Annually)	BAAQMD Permit Condition 14391, Part 7	Annual POC Emissions < 0.082 TPY for both sources combined	BAAQMD Permit Condition 14391, Part 4	VOC
gning	Recordkeeping	Periodic (Monthly)	BAAQMD Permit Condition 14391, Part 7	Annual Ink Usage < 360 gallons for both sources combined	BAAQMD Permit Condition 14391, Part 1	VOC
rdkeeping	Recordke	Periodic (Monthly)	BAAQMD 8-4- 501	5 tons POC on a calendar year basis	SIP Regulation 8-4-302	VOC
eeping	Recordkeeping	Periodic (Monthly)	BAAQMD Permit Condition 14391, Part 7	3.5 lbs/gallon	BAAQMD Regulation 8-4- 302.3	VOC
oring be	Monitoring Type	Monitoring Frequency	Monitoring Requirement Citation	Limit	Citation of Limit	Type of Limit

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-157: "M" Machine Flexographic Printers

S-158: "O" Machine Flexographic Printers

		e did not operate.	g period, "M" line	0, 2012 reporting	For the November 1, $2011 - \text{April } 30$, 2012 reporting period, "M" line did not operate.	⁼ or the Novembe	Comments:
N o	Yes	Recordkeeping	Periodic (Annually)	BAAQMD Permit Condition 12378, Part 6	Annual POC Emissions < 40.032 TPY from both sources combined	BAAQMD Permit Condition 12378, Part 4	VOC
No	Yes	Recordkeeping	Periodic (Monthly)	BAAQMD Permit Condition 12378, Part 6	Annual Ink Usage < 32,000 gallons per source	BAAQMD Permit Condition 12378, Part 1	VOC
No	Yes	Recordkeeping	Periodic (Monthly)	BAAQMD Permit Condition 12378, Part 6	2.5 lbs/gallon	BAAQMD Regulation 8- 20-302	VOC
Deviations (Yes/No)	Monitoring Performed (Yes/No)	Monitoring Type	Monitoring Frequency	Monitoring Requirement Citation	Limit	Citation of Limit	Type of Limit

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-163: Maintenance Paint Shop Spray Booth

		•	-				
Type of Limit	Citation of Limit	Limit	Monitoring Requirement Citation	Monitoring Frequency	Monitoring Type	Monitoring Performed (Yes/No)	Deviations (Yes/No)
VOC: Air-Dried Coating	BAAQMD Regulation 8- 19-302.2	340 g/L (2.8 lbs/gal)	8-19-501	Periodic (Every Occurrence)	Recordkeeping	Yes	No
VOC: Air-Dried Coating	SIP Regulation 8-19-302.2	340 g/L (2.8 lbs/gal)	8-19-501	Periodic (Every Occurrence)	Recordkeeping	Yes	No
VOC: Coating	BAAQMD Regulation 8- 31-302	340 g/L (2.8 lbs/gal)	8-31-501	Periodic (Every Occurrence)	Recordkeeping	Yes	No
VOC: Coating	SIP Regulation 8-31-302	340 g/L (2.8 lbs/gal)	8-31-501	Periodic (Every Occurrence)	Recordkeeping	Yes	N _o
VOC: Annual Limits	BAAQMD Permit Condition 15250, Part 1	Coating < 125 gal/yr Cleanup Solvent < 110 gal/yr POC Emissions < 0.544 TPY	BAAQMD Permit Condition 15250, Parts 4,	Periodic (Daily, Weekly, Monthly)	Recordkeeping	Yes	No

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-164: Boilerhouse Standby Diesel Generator

Applic Type of Limit Opacity FP SO ₂	Citation of Limit BAAQIMD Regulation 6-303 BAAQIMD Regulation 6-310 BAAQIMD Regulation 9-1-301	Limit Limit Ringelmann 2.0 For less than 3 minutes in an hour 0.15 grains per dscf of exhaust gas volume Ground Level Concentration of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05	Monitoring Requirement Citation None None	Monitoring Frequency N/A N/A N/A	Applicable Limits and Compliance Monitoring Requirements (Major Facility Review Permit (01/30/07) Table VII-T) Citation of Limit Citation of Limit BAAQMD Regulation 6- For less than 3 303 minutes in an hour BAAQMD Regulation 6- dscf of exhaust Agent Regulation BAAQMD BAAQMD BAAQMD Regulation 6- Ground Level Concentration BAAQMD Regulation 9-1- ppm for 60 301 min. or 0.055 Regulation 9-1- min. or 0.055 Regulation 6- minutes in an Monitoring Requirements (Major Facility Review Permit (01/30/07) Table VII-T) Monitoring Monitoring Monitoring Performed (N/A None N/A N/A None N/A	(01/30/07) Table Monitoring Performed (Yes/No) N/A N/A N/A	VII-T) Deviations (Yes/No) No NO
SO ₂	BAAQMD Regulation 9-1- 301	Ground Level Concentration of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	None	N/A	None	N/A	
502	BAAQMD Regulation 9-1- 304	Sulfur Content of Fuel < 0.5% by weight	BAAQMD Permit Condition 19142, Part 3	Periodic (Each Occurrence)	Fuel Certification by Vendor	Yes	
Hours of Operation: Emergency Use	BAAQMD Regulation 9-8- 330.1	Unlimited	BAAQMD Permit Condition 19142, Part 2	Periodic (Each Occurrence)	Running Time Clock and Recordkeeping	Yes	,

Semi-Annual Monitoring Report

November 1, 2011 – April 30, 2012

Owens Corning Insulating Systems, LLC - Santa Clara, CA

S-164: Boilerhouse Standby Diesel Generator

Hours of Operation – Reliability: Related Activities	Type of Limit
BAAQMD Regulation 9-8- 330.2	Citation of Limit
100 hours per year	Limit
BAAQMD Permit Condition 19142, Part 2	Monitoring Requirement Citation
Periodic (Each Occurrence)	Monitoring Frequency
Running Time Clock and Recordkeeping	Monitoring Type
Yes	Monitoring Performed (Yes/No)
No	Deviations (Yes/No)